Adaptation of Public Lighting System

Expected project CAPEX: 19'082'000 €

Mandating Authority: Autonomous Province of Vojvodina

Summary
On the territory of Novi Sad and suburbs, there are approximately 35,000 installed public lighting lamps, of which 26,000 are in the City, and 9,000 in the suburbs. In early 2005, Public Enterprise for City Construction and Development, Novi Sad began with the reconstruction and adaptation of existing public lighting, which included replacing of existing old ones and dilapidated lamps and poles. To the present day, 60% of the existing lights and poles have been replaced through reconstruction and adaptation. About 14,000 lamps and poles remain non-reconstructed.

New installed lamps are more energy efficient (lower power construction), have a longer lifespan and have reduced maintenance costs. Installation of LED public lighting will additionally reduce cost of electric energy and maintenance costs, which have effects on protecting the environment, improving risk prevention and promoting energy efficiency.

Location and population
Novi Sad, Serbia
341,625 inh

Social and environmental impact
New installed lamps are more energy efficient (lower power construction), have a longer lifespan and have reduced maintenance costs. Installation of LED public lighting will additionally reduce cost of electric energy and maintenance costs, which have effects on protecting the environment, improving risk prevention and promoting energy efficiency.

Main stakeholders
Regional public authority (Autonomous Province of Vojvodina) and local public authority (City of Novi Sad and its institutions: PUC ‘City Construction and Development’, Energy Agency, etc.).
Infrastructure and service provider (local municipality and public institutions)
General public
Project maturity (IFC / World Bank Categories)

STAGE 1: Concept Development, Site identification
Number of Lighting points: 35000
Mapping of the street lighting system: No
Current installation
920'000 EURO per year
Expected energy / expenses savings

Source of electricity: Grid connected

STAGE 2: Pre-Feasibility Studies
Pre-feasibility study
N/A

STAGE 3: Feasibility Studies
Feasibility study
N/A

STAGE 4: Permitting / Financing / Contracts
Contract with municipality
Building permits signed
No
Environmental impact study
N/a
Identified sources of fundings
Public Entreprise for City Construction and Development Novi Sad

STAGE 5: Engineering/Construction/Commercial Operation
Engineering, Procurement and Construction Contractor
TBD
Operation and Maintenance Contractor
TBD
Comments